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PTO/SB/05 (12/97)

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APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. X Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. X Specification (Total Pages 23 + 1 Cover Page)
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. X Drawings(s) (35 USC 113) (Total Sheets 10)
4. X Oath or Declaration (Total Pages 5) (Unsigned)
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 17 completed) (**Note Box 5 below**)
 - i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. Microfiche Computer Program (Appendix)

12/01/97

- 1 -

PTO/SB/05 (12/97)

03/09/00
Jc715 U.S. PTO

Jc135 U.S. PTO
09/522322
03/09/00

7. _____ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. _____ Computer Readable Copy
b. _____ Paper Copy (identical to computer copy)
c. _____ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. _____ Assignment Papers (cover sheet & documents(s))
9. _____ a. 37 CFR 3.73(b) Statement (where there is an assignee)
_____ b. Power of Attorney
10. _____ English Translation Document (if applicable)
11. _____ a. Information Disclosure Statement (IDS)/PTO-1449
_____ b. Copies of IDS Citations
12. _____ Preliminary Amendment
13. X _____ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
14. _____ a. Small Entity Statement(s)
_____ b. Statement filed in prior application, Status still proper and desired
15. _____ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. X _____ Other: Express Mail Certificate of Mailing

17. **If a CONTINUING APPLICATION**, check appropriate box and supply the requisite information:
____ Continuation ____ Divisional X Continuation-in-part (CIP)
of prior application No: 09/414,710

18. Correspondence Address

____ Customer Number or Bar Code Label _____
(Insert Customer No. or Attach Bar Code Label here)
or

X Correspondence Address Below

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12/01/97

UNITED STATES PATENT APPLICATION

FOR

**SYSTEM FOR RECORDING AND DISTRIBUTING RECORDED INFORMATION
OVER THE INTERNET**

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This application is a continuation-in-part of co-pending U.S. Application No. 09/414,710, filed on October 8, 1999 and incorporated by reference in its entirety herein.

- 5 The present invention relates generally to electronic commerce using digital and analog networks. More specifically, the present invention relates to a network application for recording and distributing recorded information and for tracking the communication time period and allocating revenue based thereon.

10 **BACKGROUND OF THE INVENTION**

Consumers interested in acquiring voice-based services, i.e., services that can be provided over a telephone, must first identify the service provider who is capable of providing the required services. At present, this usually means perusing a telephone directory, which can become frustrating and time-consuming if the service providers telephoned are not immediately available. A phone book (whether a bound paper book or an electronic directory) is also not very effective if the service provider's business category is not known.

Over the years, a number of systems have been developed that partially address this problem. In particular, these include systems that attempt to match potential customers with potential service providers. They range from free bulletin-board-style Internet web sites to sophisticated Internet-based consulting services.

One such system is similar to an electronic "marketplace." Users submit via the Internet a description of the services they need to an Internet-based "exchange." These descriptions include the subject matter of the requested service, time constraints for service delivery, and the proposed price to be paid for the services. The exchange then identifies potential service providers and facilitates bidding for the job by the selected service providers, some of whom may or may not have been selected previously by the user. Once the service providers' bids have been received by the user, the user sends a full job request to one or more service providers of particular interest. The service providers who remain interested in the proposed work then submit a final bid to the user. This bid may also include the expert's particular qualifications and conditions for accepting the work. After the work has been completed, the expert contacts the exchange for payment. Although

this system is beneficial, users still do not immediately know if an expert is available and the response from the expert is neither immediate nor direct.

Another prior art system maintains a list of independent professors available for answering questions via the Internet. The system functions as a middleman between the customer and the professors. The customer contacts the system via the Internet with a question. The system then contacts various experts within the appropriate field via the Internet and forwards the customer's question to the experts. Here too, customers do not immediately know if an expert is available, and the response from the expert is not immediate.

There is another system that allows users to post via the Internet questions for experts related to specific topical categories. However, there is no guarantee that an expert will answer the question as the user does not pay for the services and the experts are not paid. Again, presuming the expert is willing to answer a question, users do not immediately know if an expert is available and the response from the expert is not immediate nor direct.

Another system allows users to post questions to an electronic "bulletin board." Other users, whether expert or not, then provide answers or comments on a voluntary basis. This system, though useful, suffers from many of the same problems as the system described above.

In some situations, the expert can provide useful information without having to interact directly with the customer or user. None of the systems described above has the capability of distributing recorded information to a user looking for and willing to pay for such information.

Today, the only viable methods to sell recorded aural information is by offering physical, recorded media (compact discs, cassettes, etc.) or by setting up a 1-900 number with a recorded message. Physical, recorded media such as compact discs are cumbersome and expensive to manufacture and distribute. 1-900 numbers are difficult because information providers cannot update the recording without physically accessing the machine and manually changing the recording to be played. They are also costly to publicize because each 1-900 number must be marketed separately.

SUMMARY OF THE INVENTION

The present invention provides a system through which information can be recorded and distributed. The system includes a controller computer linked with a communications interface. The controller computer has a database, a first logic unit linked with the database to establish via the communications interface a first communications connection with an information provider, and a second logic unit linked with the database to establish via the communications interface a second communications connection with a user. The information from the information provider is recorded over the first communications connection and stored on the database. In response to the user selecting to receive the information, the system delivers the information via the second communications connection to the user. Methods of recording and providing information and of selling recorded information are also provided herewith.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates a system for recording information from service providers and distributing the information to customers in accordance with one embodiment of the invention.

FIG. 2 illustrates an alternative embodiment of a system for recording information from service providers and distributing the information to customers.

FIG. 3 illustrates one embodiment of a web page for selection of a category in which a listing for information appears in accordance with the present invention.

FIG. 4 and 4A illustrate one embodiment of a web page for creating a listing for and a description of information in accordance with the present invention.

FIG. 5 illustrates one embodiment of a web page for recording information in accordance with the present invention.

FIG. 6 illustrates one embodiment of a preview web page for previewing the listings of a service provider in accordance with the present invention.

FIG. 7 is a flowchart that provides an overview of a process of creating a listing for recorded information according to one embodiment of the present invention.

FIG. 8 is a flowchart of a process for recording information according to one embodiment of the present invention.

FIG. 9 is a flowchart of a process by which a user receives recorded information according to one embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

The present invention enables information providers to record, update, and deliver information from anywhere that has communications access, whether through a telephone network, a computer network, wireless communications network, etc. and enables information users to access such information from anywhere that has communications access. In one embodiment, a system according to the present invention establishes a web site, through which the information provider can at any time update the recorded information or the description and price that appear to the user and through which the user can at any time access the recorded information. Upon selecting to receive a desired recording, the user can listen to it through the telephone or other communications device.

While the recorded information is being delivered to the user, the user would accrue charges on either a per-time period or lump-sum basis. The information provider would later receive all or part of the accrued charges. The present invention effectively solves all of the logistical problems involved with recording and distributing aural information.

As shown in FIG. 1, user computers ("customer computers") 100 and information provider computers ("service provider computers") 200 are connected through a network 500 (such as the Internet) to a host computer or web server ("controller computer") 300. Persons of ordinary skill in the art will recognize that said controller computer 300 may consist of more than one computer working together to provide the controller computer 300 functions described herein. The users (customers) and information providers (service providers) each have telephones 400 that are connected to a telephone network 600. In FIG. 1, the computer network 500 and telephone network 600 are shown as two separate entities, though persons skilled in the art will realize that they may overlap. See FIG. 2.

The controller computer 300 has the functionality of a standard web server, capable of interacting dynamically via the service provider computers 200 and the customer computers 100 with service providers and customers, respectively. In addition to the standard web server operations, the controller computer 300 is linked with a communications interface ("telephone interface") 700 that enables the controller computer 300 to set up, initiate, confirm, and track communications between the customers and service providers, on the one hand, and the controller computer 300 on the other hand. The controller computer 300 has the ability to establish a first communications connection, e.g., a telephone call, with service providers for the purpose of recording and updating information stored in a database 310 maintained on the controller computer 300. The controller computer 300 also has the ability to establish a second communications connection, e.g., a telephone call, with customers for the purpose of distributing the information stored in the database 310.

In accordance with the embodiment shown in FIG. 1, the customer computers 100 and the service provider computers 200 are connected to the controller computer 300 through the network 500. Customers and service providers use their computers to connect to the network 500. Once the connection has been established, customers and service providers enter the URL, or Internet address, of the controller computer 300, and a logic unit within the controller computer 300 establishes a computer connection with the customer computer 100 and the service provider computer 200. In one embodiment, after the computer connection has been established between the controller computer 300 and the service provider and customer computers 200 and 100, respectively, a logic unit within the controller computer presents a web page on the service provider and customer computers 200 and 100, respectively.

Typically, customers and service providers register before customers can purchase services or information and before service providers can offer their services or information through the web site. During registration, the customers and the service providers are requested to submit certain information, such as a username and password. Customers may be requested to submit credit card or other financial information. Service providers may or may not be requested to submit credit card or other financial information. Once the requested information has been submitted, the data is stored in the database 310 in an account set up for the service provider and in a user account set up for the customer.

In one embodiment, a logic unit within the controller computer 300 presents a web page on the customer computer 100 and the service provider computer 200 through which the logic unit prompts the customer and the service provider to submit the requested registration information. The logic unit is linked with the database 310 and so automatically sets up the account and the user account and automatically stores the submitted registration information in the appropriate accounts on the database 310.

Service providers typically submit a description about and/or a listing for each information service they will provide through the web site. In one embodiment, the description and listing are submitted via the computer connection that has been established between the controller computer 300 and the service provider computer 200. Using a web page presented by a logic unit within the controller computer 300 on the service provider computer 200, the service provider typically first submits a valid username and password combination to access the account that has been set up for the service provider. The controller computer 300 will confirm the username and password combination by comparing the submitted data to data stored in the database 310 in the account set up for the service provider.

Once the username and password combination is successfully verified and the service provider has accessed the account, in one embodiment a logic unit within the controller computer 300 presents a web page 1000 as illustrated in FIG. 3. The web page 1000 requests the service provider to choose a category, e.g., Arts & Entertainment 1010, from a list of categories presented 1100.

After the category is chosen, the service provider clicks on Continue 1020, and in one embodiment, a logic unit within the controller computer 300 then presents the service provider with a web page 1200 as illustrated in FIG. 4. The web page 1200 requests the service provider to create a listing for the information the service provider will be providing through the web site. In the embodiment shown in FIG. 4, the web site allows the service provider to list information in two formats, a live answer format or a recorded format. The live answer format is described in more detail in co-pending U.S. Application No. 09/414,710, which is incorporated by reference in its entirety herein. Through this web page 1200, the controller computer requests the service provider to designate a format 1210, e.g., Recorded Listing, and to provide a title 1220 and a text

description 1230 of the information that the service provider will be providing. The web page 1200 also requests the service provider to designate a price 1240 for the information to be provided. The embodiment in FIG. 4 shows the price 1240 as being a price per minute, but the price need not be a rate per period of time and may also include a flat price. As shown in FIG. 4A, the web page 1200 may accept additional descriptive information, such as a photo of the service provider, and offer the listing and the description in different languages.

After the service provider has finished creating the listing and the description, the service provider clicks on Continue 1260. Where the service provider has selected to provide information in a recorded format, in one embodiment, a logic unit within the controller computer 300 next presents the service provider with a web page 1400 as illustrated in FIG. 5, requesting that the service provider create the recording. Following the instructions provided on the web page 1400, the service provider will click on Call Me Now To Make Recording 1450, in response to which, a logic unit within the controller computer 300 will establish via the communications interface 700 a communications connection with the service provider.

In the embodiment depicted in FIG. 5, the logic unit within the controller computer 300 establishes a telephone connection with the service provider over a telephone network 600 by calling a telephone number saved on the database 310 in the account set up for the service provider. The controller computer 300, according to the present invention, may establish a communications connection over other types of communications networks, such as a computer network, satellite network, wireless communications network, direct TV network, etc., and the communications connection may include an audio, video, or other type of data connection.

FIG. 7 shows a flowchart 2000 that provides a general overview of the process of creating recorded information according one embodiment of the present invention. After registering with the web site and accessing the account set up for the service provider, the service provider is prompted to create a listing for the information that is to be recorded and distributed 2010. The controller computer 300 prompts the service provider to input a text description of the information 2020, and then prompts the service provider to record the information 2030. After the information is recorded, the listing is complete, and the controller computer 300 saves the information and the description in the service

provider's account on the database 310, and lists the listing on the web site 2031. If an error occurs during recording, the controller computer 300 will save the text description but not the information and will not list the listing on the web site 2032.

5 FIG. 8 provides a flowchart 2100 that details a process by which the service provider records the information in accordance with one embodiment of the present invention. In this embodiment, the information includes a voice-over recording that is recorded via a telephone connection. The telephone connection may be established over a telephone network or over a computer network, e.g., Internet telephony. The flowchart 2100 starts
10 after the service provider has clicked on Call Me Now To Make Recording 1450 (see FIG. 5) with a logic unit within the controller computer 300 establishing via the telephone interface 700 a telephone connection with the service provider. In other words, the controller computer 300 calls the service provider 2110 via the telephone interface 700 using a telephone number stored as part of the service provider's account in the database
15 310. When the service provider accepts the telephone call, the logic unit within the controller computer 300 prompts the service provider to begin providing information to be recorded 2120. The prompt may include instructions to the service provider for how to end the recording, how to pause and restart the recording, etc. The recording then begins 2130, with the controller computer 300 recording aural information provided by the
20 service provider over the telephone connection. A number of possibilities exist at this point in the process.

One possibility is that the recording proceeds without a problem. When the service provider has finished providing the information, the service provider provides some
25 indication, e.g., by pressing the #-key, to the controller computer 300 that he has finished 2131. In response, a logic unit within the controller computer 300 prompts the service provider to either listen to the information, save the information, or to re-record the information 2140. The service provider may indicate his choice by, e.g., pressing a number on the telephone keypad, or speaking a number into the telephone connection. If
30 the service provider chooses to listen to the information, the controller computer 300 will play the information over the telephone connection and, at the end of the recording, return to 2140 and prompt the service provider to again choose to either listen (again) to the information, save the information, or to re-record the information. If the service provider chooses to save the information, the controller computer 300 acknowledges that the
35 information has been saved, e.g., with a congratulatory message, and ends the

communications connection 2150. If the service provider chooses to re-record the information, the controller computer 300 prompts the service provider to re-record the information, and then returns to 2130.

- 5 Another possibility that exists is that the communications connection is interrupted in the middle of recording the information, e.g., the service provider hangs up the telephone or otherwise becomes disconnected from the controller computer 300. If the communications connection is ended without the controller computer 300 receiving an indication that the service provider has finished recording the information, the controller
10 computer 300 will save the information, but the listing for the information will not appear on the web site until the controller computer 300 receives a confirmation from the service provider that the information is ready for distribution 2132.

- 15 Another possibility is that the service provider will pause the recording before finishing, or will decide in the middle of recording the information to start over. The service provider may indicate his decision by, e.g., pressing the *-key, 2133. In response to receiving such an indication, the logic unit of the controller computer 300 will return to 2130 and begin the recording process anew.

- 20 Still another possibility is that the controller computer 300 reaches a "timeout" condition 2134. This may happen, e.g., when a size limit for the recorded information (either in terms length of time, e.g., 30 minutes, or computer or database memory) has been reached, or when the controller computer 300 records silence for a set length of time, e.g., 30 seconds. If the timeout condition is reached because the recorded information has
25 reached the size limit, the controller computer 300 will proceed to 2140 and prompt the service provider as though the controller computer 300 has received an indication that service provider was finished. If the timeout condition is reached because the controller computer 300 has recorded silence for the set length of time, then the controller computer 300 will prompt the service provider that nothing has been recorded for the set length of
30 time and play what information has been recorded 2135. After the recorded part of the information is played back, the controller computer will prompt the service provider to continue recording and return to 2130. If the controller computer again records only silence for the set length of time, the controller computer 300 will terminate the communications connection without having saved any of the information.

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Once the controller computer 300 receives confirmation from the service provider to save the information, a logic unit within the controller computer 300 that is linked with the database 310 will save the recorded information in the service provider's account on the database 310. A system according to the present invention allows the service provider to
5 access the account at any time to change or update the listing, the description, and/or the recorded information. To update the listing, description or the recorded information, in one embodiment the controller computer 300 would provide to the service provider the same or similar web pages as those illustrated in FIG. 3-5 and record the information in the same or similar manner as described in FIG. 8.

10 In one embodiment, after the recorded information has been saved, a system according to the present invention previews the service provider's listing for the service provider prior to making the listing accessible to all of the users who browse the web site. FIG. 6 illustrates one embodiment of a preview web page 1500 in accordance with the present
15 invention that the controller computer 300 may present on the service provider computer 200 via the computer connection. As illustrated in FIG. 6, each listing is previewed with a Listing Title 1501, Listing Type 1502 (Recorded or Live Answer), Availability 1503, Feedback Rating 1504, Rate 1505 (per minute), and options to Change Listing 1506. In accordance with the present invention, other types of listing data may be previewed in
20 addition or instead of the types listed in FIG. 6.

In San Fran Steven's Listings, shown in FIG. 6, San Fran Steven lists three types of information services, Sailing Tips 1510, Sailing Advisor 1520, and Sailing Tricks 1530. Sailing Tips 1510 is a recorded format information service, as indicated by the word
25 "Recorded" 1512 as well as by the image of the headphones 1513. Because Sailing Tips is a recorded format information service, it is always available for listening, as indicated by the words "Always Available" 1514. The listing 1510 further shows the date the recording was last updated 1515. In one embodiment, a system according to the present invention provides a feedback rating, based upon evaluations provided by users who have
30 purchased the information previously. As shown in FIG. 6, San Fran Steven's Sailing Tips 1510 has not been rated, as indicated by the words "Not Rated" 1516. The price for receiving San Fran Steven's Sailing Tips is listed at "25 cents" (per minute) 1517. The preview page embodiment shown in FIG. 6 conveys the listing information mostly with words or as text messages, but those of ordinary skill in the art will recognize that the

listing information may be conveyed with images (e.g., the headphones 1513 to indicate the recorded information format) or other symbols.

On the preview page shown in FIG. 6, three options are offered to change the listing 1518 for San Fran Steven's Sailing Tips. By selecting one of the options, the service provider may update, delete, or listen to the Sailing Tip. If the service provider selects "Update", the controller computer 300 starts a process such as those described above, with reference to FIG. 3-5 and 7-8. If the service provider chooses "Delete", the controller computer 300 will delete the listing, the description and the recorded information being stored in the database 310. If the service provider chooses "Listen", the controller computer 300 will establish a communications connection with the service provider (as described above) and play the recorded information over the communications connection for the service provider.

FIG. 6 shows similar listing information about San Fran Steven's Sailing Advisor 1520 and Sailing Tricks 1530. Sailing Advisor is a live answer format information product, as indicated by the words "Live Answer" 1522 as well as by the telephone image 1523. The Sailing Advisor listing 1520 further gives an indication of the service provider's current availability 1524, which the service provider may change by selecting the unmarked box. As a live answer format product, the service provider further has the option of creating a schedule 1525 as part of the listing to indicate when the service provider is available to provide live answers, as described in more detail in co-pending U.S. Application No. . Sailing Tricks is another recorded format information product, as shown by the words "Recorded" 1532 and the headphone image 1533. The listing 1530 indicates that Sailing Tricks has not yet been recorded and directs the service provider to click "Update" 1534 in order to record the information. In the embodiment illustrated in FIG. 6, the preview web page also provides other information 1540 and marketing tips 1550 that the service provider may find useful.

Once the recorded information has been saved and listing, description and recorded information confirmed, the recorded information becomes available for sale to all of the users who browse the web site. Access to the web site may be established as described above, with the customer using a user computer ("customer computer") 100 to connect to a network 500 and then entering the URL of the controller computer 300. A logic unit

within the controller computer 300 then establishes a computer connection with the customer computer 100.

After the computer connection has been established, in one embodiment customers will have the option of executing a keyword search for service providers. The keyword search can be executed from a web page presented by a logic unit of the controller computer 300 on the customer computer 100. Persons skilled in the art will recognize that a keyword search consists of scanning a database for words that match the keywords entered. In this embodiment, the keyword search will be executed against the descriptions and listing data stored in the database 310 maintained on the controller computer 300. In one embodiment, customers will view a list of service providers matching the keyword search criteria on a web page presented by the logic unit on the customer computer. Customers will have the option of viewing the service providers listed according to price, availability, or customer evaluations in either ascending or descending order. Persons skilled in the art will recognize that the service providers can be listed in any number of ways. As an alternative to a keyword search, customers can select a category to view a predetermined list of service providers. In one embodiment as described above with reference to FIG. 3, the service provider selects the categories in which the listings for his information services will appear.

In one embodiment, the list of service providers includes a description of each information service provided by the service provider. The customer can select to receive the information described, e.g., by clicking on the description or on a link included with the description. If the customer selects to receive a recorded information product, a logic unit within the controller computer 300 will respond by establishing via the communications interface 700 a communications connection with the customer. The communications connection may be established over a telephone network, a computer network, satellite network, wireless communications network, direct TV network, or other type of communications network, and may include an audio connection, video connection, or other type of data connection.

FIG. 9 provides a flowchart 2200 that details a process by which the customer receives the recorded information in accordance with one embodiment of the present invention. In this embodiment, the recorded information includes a voice-over recording and the communications connection is a telephone connection that may be established over a

information may be a rate per period of time or a fixed amount for each time the information is provided to the customer. In one embodiment, the logic unit automatically deducts an amount from the customer's user account when delivery of the information has stopped. Alternatively, the logic unit may deduct an amount equal to the rate charged by the service provider as the information is being delivered, i.e., while the communications connection is being maintained. If the telephone call has not been concluded when only a minute's worth of time is remaining (based on the rate charged by the service provider) on the user account, the controller computer 300 will prompt the customer to increase the credit in the user account, or to purchase additional time. If the customer does not increase the credit or purchased additional time, the controller computer 300 will prompt the customer to provide additional credit or payment before the call is terminated.

In one embodiment, the controller computer 300 records a summary of the transaction in the database 310 maintained on the controller computer 300 and updates the customer's user account and the service provider's account accordingly. The controller computer 300 additionally may send summary messages, e.g., via electronic mail, to both the service provider and the customer.

In one embodiment of a system according to the present invention, customers and service providers will be given a summary of account activity. This information may include services provided, services purchased, and the current month's billing and payment summary. Customers and service providers also may have the option of viewing the previous month's billing and payment summary as well as the next month's billing and payment summary.

EXAMPLE

A comedian named Peter offers a service to his audience that he calls "Joke of the Day," in which he tells a joke that is particularly relevant to current events and today's celebrities. He has described this service at the subject web site under "Humor" in a listing that indicates the comedian's description, photograph, credentials, and a 50-cent price per minute to listen to the "Joke of the Day." In order to record the joke each morning, Peter goes to the subject web site, and clicks on "Call Me Now to Make Recording." The web site instantly calls him on his telephone and prompts him to speak his new recording. The new joke is recorded and stored on the web site.

telephone network or over a computer network, e.g., Internet telephony. The flowchart 2200 starts after the customer has selected to receive the recorded information with a logic unit within the controller computer 300 establishing a telephone connection with the customer. In other words, the controller computer calls the customer 2210 via the telephone interface 700 using a telephone number stored as part of the user account set up for the customer and stored in the database 310. Once the communications connection has been established, the logic unit within the controller computer 300 prompts the customer to accept the information 2220 by, e.g., pressing a certain number on the telephone keypad or by speaking a certain word into the telephone. Once the customer accepts, the logic unit, which is linked to the database 310 on which the recorded information is stored, delivers the recorded information to the customer over the telephone connection 2230.

At this point, the customer may choose either to stop delivery of the recorded information before its end or to listen to the recorded information to its end 2231. If the customer chooses to listen to the recorded information to its end 2231, the controller computer 300 will prompt the customer to choose to listen to the information again or to end the call 2232 by, e.g., pressing a number on the telephone keypad. If the customer chooses to listen to the information again, the controller computer 300 will re-send the information over the communications connection. If the customer chooses to end the call, the controller computer 300 will proceed to 2240, where the telephone connection is ended. In one embodiment, after providing the information to the customer, the controller computer 300 prompts the customer to submit an evaluation rating of the information that is stored on the database 310 as part of the description of the information.

Alternatively, the customer may choose to stop delivery of the information before it has reached its end. The customer may do this by, e.g., pressing the #-key on the telephone keypad or by hanging up. If the customer chooses to stop delivery of the information by providing an indication to the controller computer, e.g., by pressing the #-key, then the controller computer proceeds to 2240 and ends the telephone connection.

In one embodiment, the controller computer 300 according to the present invention has a logic unit to track how long the information is delivered to the customer. When the customer accepts the call 2220, the logic unit may begin a telephone call timer for the purpose of billing the customer for the information. As described above, the price for the

A customer named Linda, who would like to hear a "Joke of the Day," goes to the subject web site. She looks in the Humor section and finds several listings of comedians with different descriptions and prices. After choosing to listen to Peter's joke, she clicks on the "Call Me Now" button. Her telephone instantly rings and she is played a recording of Peter's joke of the day. She listens for three minutes, and then hangs up. Her credit card is charged a total of \$1.50 for the three minutes (at 50 cents per minute). Peter's online account is credited the \$1.50 minus a fee collected by the web site.

- 10 Those of ordinary skill in the art will recognize that this example and the embodiments described above are illustrative only and do not in any way limit the range of applications of the present invention. Numerous modifications, variations, and improvements may be made to the example and the embodiments described above that still fall within the scope of the invention as claimed.

What is claimed is:

1 1. A system for recording and delivering information, the system comprising:
2 a communications interface; and
3 a controller computer being linked with the communications interface, the
4 controller computer having:
5 a database to store the information recorded by an information provider;
6 a first logic unit linked with the database to establish via the
7 communications interface a first communication connection with the information
8 provider over which the information provider records the information; and
9 a second logic unit linked with the database to establish, in response to a
10 user selecting to receive the information and via the communications interface, a
11 second communications connection with the user and to deliver the information
12 via the second communications connection to the user.

1 2. The system as described in claim 1, wherein the database further stores a
2 description of the information.

1 3. The system as described in claim 2, wherein the controller computer further
2 has a third logic unit linked with the database to establish a computer connection with an
3 information provider computer and to receive via the computer connection the description
4 from the information provider.

1 4. The system as described in claim 3, wherein the computer connection is
2 established through a web site accessible by the information provider computer.

1 5. The system as described in claim 2, wherein the controller computer further
2 has a third logic unit linked with the database to establish a computer connection with a
3 user computer and to deliver the description to the user computer via the computer
4 connection.

1 6. The system as described in claim 5, wherein the computer connection is
2 established through a web site accessible by the user computer.

1 7. The system as described in claim 2, wherein the description includes a price
2 for the information.

1 8. The system as described in claim 7, wherein the price includes a rate per
2 period of time.

1 9. The system as described in claim 1, wherein the first communications
2 connection includes an audio connection.

1 10. The system as described in claim 1, wherein the first communications
2 connection includes a video connection.

1 11. The system as described in claim 1, wherein the first communications
2 connection is established over a computer network.

1 12. The system as described in claim 1, wherein the first communications
2 connection is established over a telephone network.

1 13. The system as described in claim 1, wherein the second communications
2 connection includes an audio connection.

1 14. The system as described in claim 1, wherein the second communications
2 connection includes a video connection.

1 15. The system as described in claim 1, wherein the second communications
2 connection is established over a computer network.

1 16. The system as described in claim 1, wherein the second communications
2 connection is established over a telephone network.

1 17. The system as described in claim 1, wherein the controller computer has a
2 third logic unit to bill the user for the information.

1 18. The system as described in claim 17, wherein the controller computer has a
2 fourth logic unit to track how long the information is delivered to the user and the third
3 logic unit bills the user based upon how long the information is delivered.

1 19. The system as described in claim 1, wherein the database further stores
2 information about a user account.

1 20. The system as described in claim 19, wherein the controller computer has a
2 third logic unit to deduct an amount from the user account for the information.

1 21. The system as described in claim 19, wherein the controller computer has a
2 third logic unit to track how long the information is delivered to the user and a fourth
3 logic unit to deduct from the user account an amount based upon how long the
4 information is delivered.

1 22. The system as described in claim 1, wherein the database further stores
2 information about an account set up for the information provider.

1 23. The system as described in claim 22, wherein the controller computer has a
2 third logic unit to credit an amount to the account when the information is delivered to the
3 user.

1 24. The system as described in claim 22, wherein the controller computer has a
2 third logic unit to track how long the information is delivered to the user and a fourth
3 logic unit to credit to the account an amount based upon how long the information is
4 delivered.

1 25. The system as described in claim 22, wherein the controller computer has a
2 third logic unit to track how long the information is delivered to the user and a fourth
3 logic unit to credit to the account an amount based upon how long the information is
4 delivered minus a fee.

1 26. A method of recording information and delivering the information to a user,
2 the method comprising:
3 establishing a first communications connection with an information provider;
4 recording and storing the information provided by the information provider over
5 the first communications connection;
6 in response to the user selecting to receive the information, establishing a second
7 communications connection with the user; and
8 delivering the information to the user over the second communications
9 connection.

1 27. The method as described in claim 26, further comprising:
2 storing a description of the information provided by the information provider; and
3 delivering the description to the user.

1 28. The method as described in claim 27, further comprising:
2 establishing a first computer connection with an information provider computer;
3 and
4 receiving the description from the information provider over the first computer
5 connection.

1 29. The method as described in claim 27, further comprising:
2 establishing a second computer connection with a user computer, wherein the
3 description is delivered to the user via the second computer connection.

1 30. The method as described in claim 27, wherein the description is included in a
2 list of information providers.

1 31. The method as described in claim 30, wherein the list of information providers
2 is delivered to the user in response to a keyword search.

1 32. The method as described in claim 30, wherein the list of information providers
2 is delivered to the user in response to a category selection.

1 33. The method as described in claim 26, wherein the first communications
2 connection includes an audio connection.

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1 34. The method as described in claim 26, wherein the first communications
2 connection includes a video connection.

1 35. The method as described in claim 26, wherein the first communications
2 connection is established over a computer network.

1 36. The method as described in claim 26, wherein the first communications
2 connection is established over a telephone network.

1 37. The method as described in claim 26, wherein the second communications
2 connection includes an audio connection.

1 38. The method as described in claim 26, wherein the second communications
2 connection includes a video connection.

1 39. The method as described in claim 26, wherein the second communications
2 connection is established over a computer network.

1 40. The method as described in claim 26, wherein the second communications
2 connection is established over a telephone network.

1 41. A method of selling recorded information, the method comprising:
2 providing a description of the recorded information to a user;
3 in response to the user selecting to receive the recorded information, establishing a
4 communications connection with the user;
5 delivering the recorded information to the user over the communications
6 connection; and
7 billing the user for the recorded information delivered to the user.

1 42. The method as described in claim 41, further comprising:
2 establishing a computer connection with a user computer, wherein the description
3 of the recorded information is provided over the computer connection.

1 43. The method as described in claim 42, wherein the description is included in a
2 list of information providers.

1 44. The method as described in claim 43, wherein the list of information providers
2 is provided to the user in response to a keyword search.

1 45. The method as described in claim 43, wherein the list of information providers
2 is provided to the user in response to a keyword search.

1 46. The method as described in claim 41, wherein the communications connection
2 includes an audio connection.

1 47. The method as described in claim 41, wherein the communications connection
2 includes a video connection.

1 48. The method as described in claim 41, wherein the communications connection
2 is established over a computer network.

1 49. The method as described in claim 41, wherein the communications connection
2 is established over a telephone network.

1 50. The method as described in claim 41, further comprising:
2 establishing a user account for the user, wherein billing the user includes
3 deducting an amount from the user account.

1 51. The method as described in claim 50, further comprising:
2 tracking how long the information is delivered to the user, wherein the amount
3 deducted from the user account is based upon how long the information is delivered.

1 52. The method as described in claim 41, wherein the recorded information and
2 the description are provided by an information provider.

1 53. The method as described in claim 52, further comprising:
 2 establishing an account for the information provider; and
 3 crediting an amount to the account for the recorded information delivered to the
 4 user.

1 54. The method as described in claim 53, further comprising:
 2 tracking how long the information is delivered to the user, wherein the amount
 3 credited to the account is based upon how long the information is delivered.

1 55. The method as described in claim 53, further comprising:
 2 tracking how long the information is delivered to the user, wherein the amount
 3 credited to the account is based upon how long the information is delivered minus a fee.

1 56. The method as described in claim 52, further comprising:
 2 establishing a computer connection with the information provider, wherein the
 3 description is provided by the information provider over the computer connection.

ABSTRACT

A system for recording and distributing information is described. The system includes a controller computer capable of establishing a communications connection via a communications interface with information providers and users. The controller computer
5 also maintains a web site through which information providers can list and describe the information services to be distributed through the web site and through which users can browse to find information services to purchase. Information providers record information over the communications connection, which is stored in a database maintained on the controller computer. Users select to receive recorded information,
10 which is delivered over the communications connection by the controller computer. The controller computer further has the capability of automatically billing users and crediting information providers for the information.

FIGURE 1

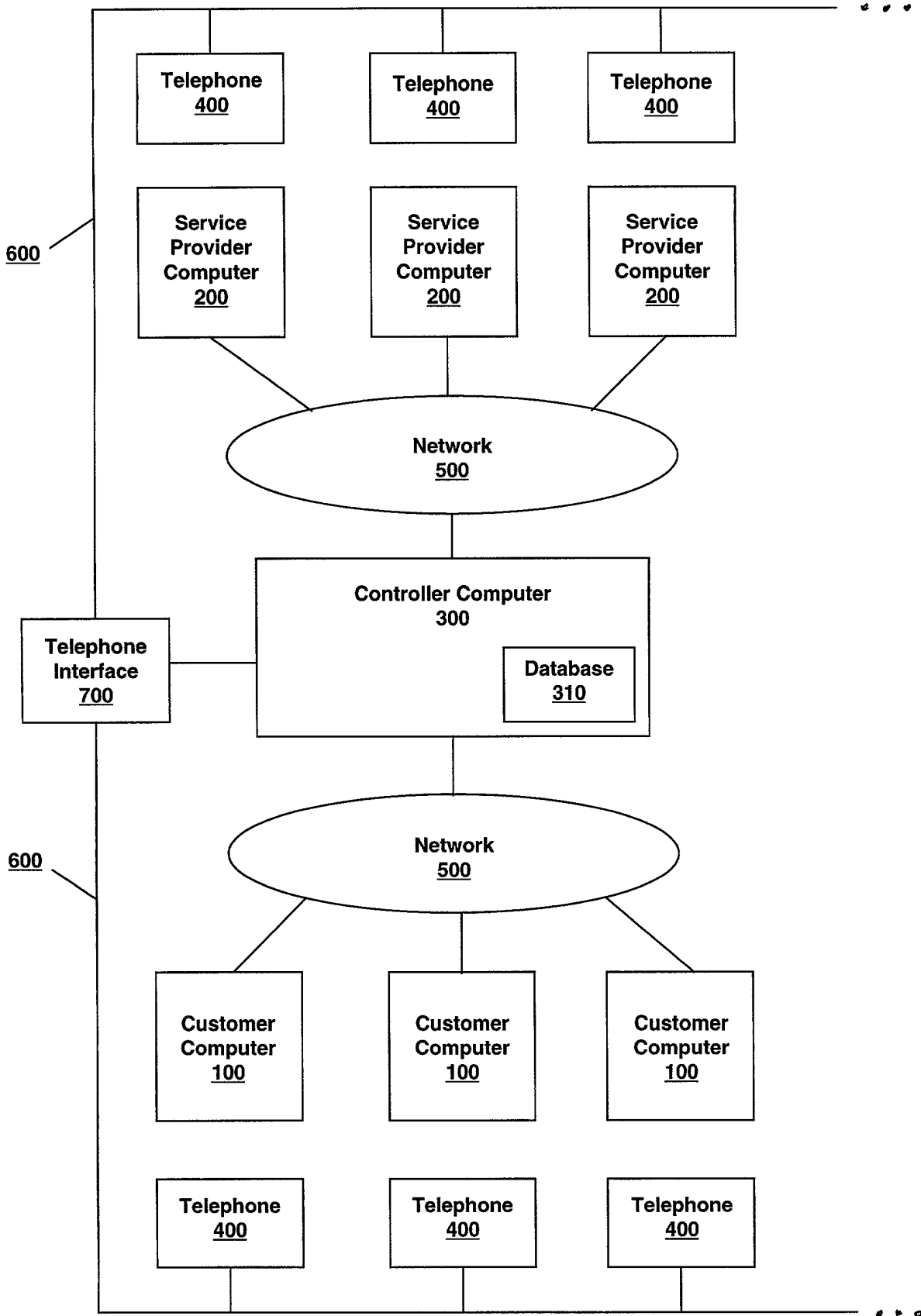
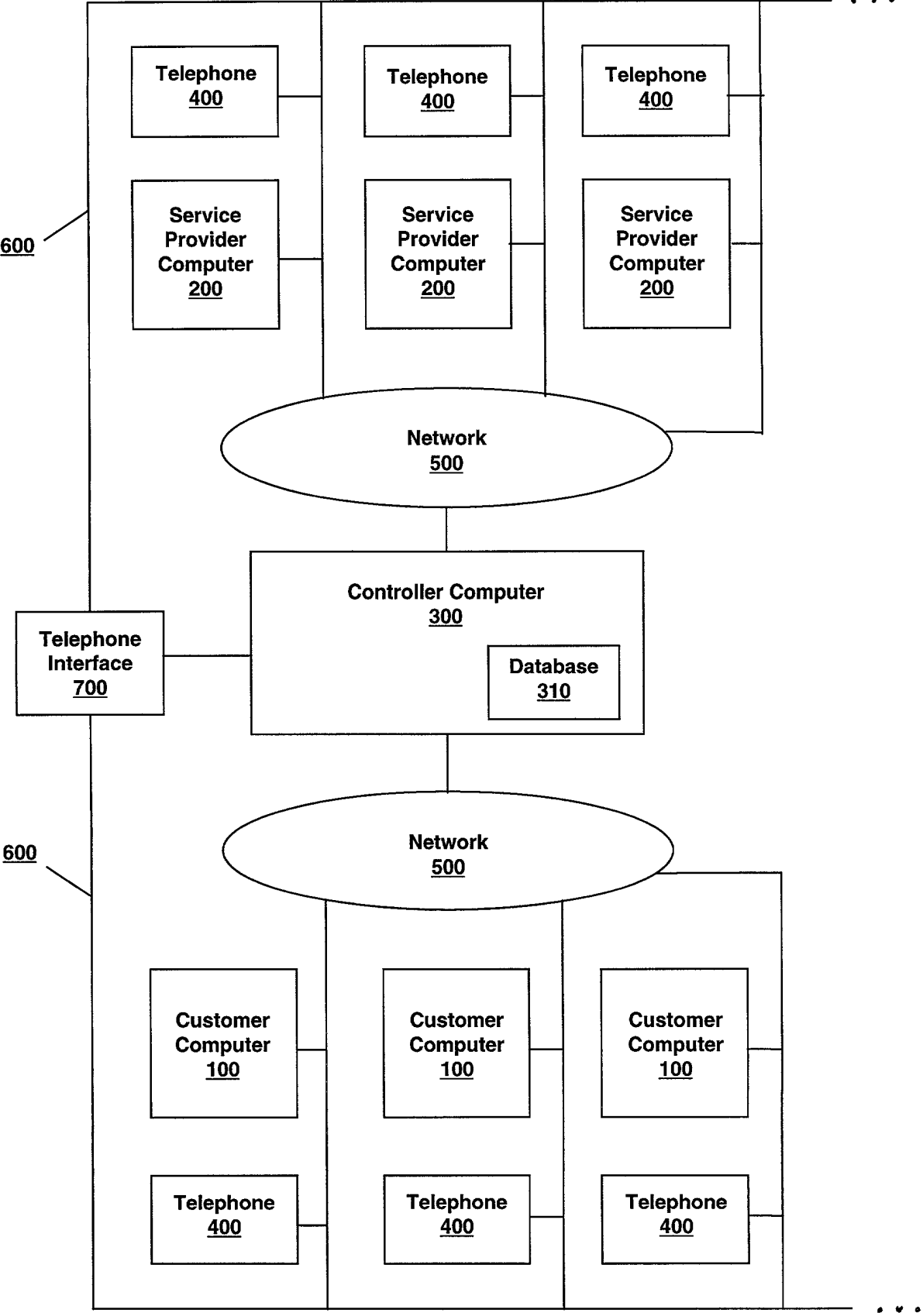


FIGURE 2



1000



Choose a Category

Choose the category in which you would like your listing to appear

- ☐ Age Groups
- ☐ Health and Fitness
- ☒ Arts & Entertainment **1010**
- ☐ Hobbies & Collectibles
- ☐ Autos & Vehicles
- ☐ Home & Garden
- ☐ Business & Personal Finance
- ☐ Local Interests
- ☐ Career & Education
- ☐ Personal Advice
- ☐ Computing & Internet
- ☐ Pets
- ☐ Cultural & Religion
- ☐ Romance & Social
- ☐ Family & Parenting
- ☐ Shopping
- ☐ Food & Cooking
- ☐ Sports & Recreation
- ☐ Games
- ☐ Travel
- ☐ Women's Issues

1100

1020

Continue

FIGURE 3

1200

KEEN.com
Your Live Answer
Community™

Home Find People My Listings My Account Keen Mail Tell A Friend Help

Check Create My Homepage

Create A Listing

Choose the type of listing you would like to create.

☐

Live Answer Listing

Members call you for a live answer over your phone - without revealing your personal information.

☒

Recorded Listing

A voice recording that you make which other members can call Keen.com and listen to, 24 hours a day.

Market Your Knowledge on Keen.com

& sample listing

Required

Title

Enter a title that explains what knowledge you are offering.
50 characters maximum (No HTML). [See tips.](#)

Description

This is your chance to introduce yourself to the Keen.com community, so be thorough and creative! Use 75 words minimum and 1,000 words maximum (HTML OK). After you create your listing, you can verify your educational, employment, professional license and/or trade association credentials through our third-party verification service.

[See tips.](#)

Price Per Minute

\$0.05

[More info.](#)

How is the minimum price per minute calculated for your country?
How to convert from U.S. dollars to your currency?

Continue

FIGURE 4

1200 (cont)

1250

Optional

Add a Photo to Your Listing
Personalize your listing with a picture! Send an email with a photo attachment to photos@keen.com.

Your Language(s) You can enter multiple languages.

<input type="checkbox"/>	Arabic
<input type="checkbox"/>	Danish
<input type="checkbox"/>	Finnish
<input type="checkbox"/>	Hebrew
<input type="checkbox"/>	Korean
<input type="checkbox"/>	Spanish
<input type="checkbox"/>	Chinese (Cantonese)
<input type="checkbox"/>	Dutch
<input type="checkbox"/>	French
<input type="checkbox"/>	Italian
<input type="checkbox"/>	Norwegian
<input type="checkbox"/>	Swedish
<input type="checkbox"/>	Chinese (Mandarin)
<input checked="" type="checkbox"/>	English
<input type="checkbox"/>	German
<input type="checkbox"/>	Japanese
<input type="checkbox"/>	Portuguese (BR)
<input type="checkbox"/>	Other

FIGURE 4A

1400



Create Your Recording

Congratulations! The description for your recorded listing is finished. It will be stored in the My Listing page on Keen.com. When you complete your recording, your listing will go live on Keen.com.

Create the Recording for Your Listing

1. Click the "Call Me Now to Make Recording" button below and Keen.com will call your phone.

Check that your phone number in the Personal Info page on Keen.com is correct. If you use the same line to go online and to make calls, you will need to disconnect from your online connection when Keen.com starts to call you.

2. Follow the prompts to begin and then save the recording when you end the call.

3. Your listing with the recorded message will become live on Keen.com.

You can edit your listing from the My Listing page and can change the text of the listing as well as re-record and listen to your recording.

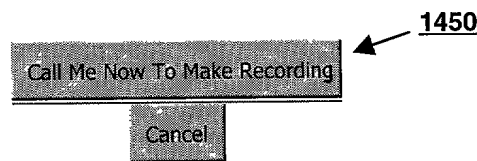


FIGURE 5

FIGURE 6

1500

KEEN .com

Your Live Answer Community™

[Home](#)
[Find People](#)

My Listings

[My Account](#)
[Keen Mail™](#)
[Tell A Friend](#)
[Help](#)

[Check](#) | [Create](#) | [My Homepage](#)

San Fran Steven's Listings

Listing Title 1501	Listing Type 1502	Availability 1503	Feedback Rating 1504	Rate 1505 (per minute)	Change Listing 1506
Sailing Tips 1511	Recorded 1512 1513	Always Available 1514 Last updated: 2/29/00 1515	Not Rated 1516	25 cents 1517	Update Delete Listen 1518
Sailing Advisor 1521	Live Answer 1522 1523	<input type="checkbox"/> Yes (available) <input checked="" type="checkbox"/> No (not available) Create Schedule 1525	Not Rated 1524	25 cents	Update Delete
Sailing Tricks	Recorded 1532 1533	Recording needs to be made. Click Update. 1534	Not Rated	25 cents	Update Delete Listen

Make your listings stand out

- Add credentials that have been verified by our third-party service.
- Add a photo to your listing by sending an email with an attachment (JPEG or GIF preferred) to photos@keen.com.

Market yourself on Keen.com.

- Attach a link to your listing in your email and/or your homepage, and earn \$5 for every person you refer who makes or receives two calls.
- Tell your friends about Keen.com and bring them to your listings. Earn \$5 for every person you refer who makes or receives two calls.

FIGURE 7

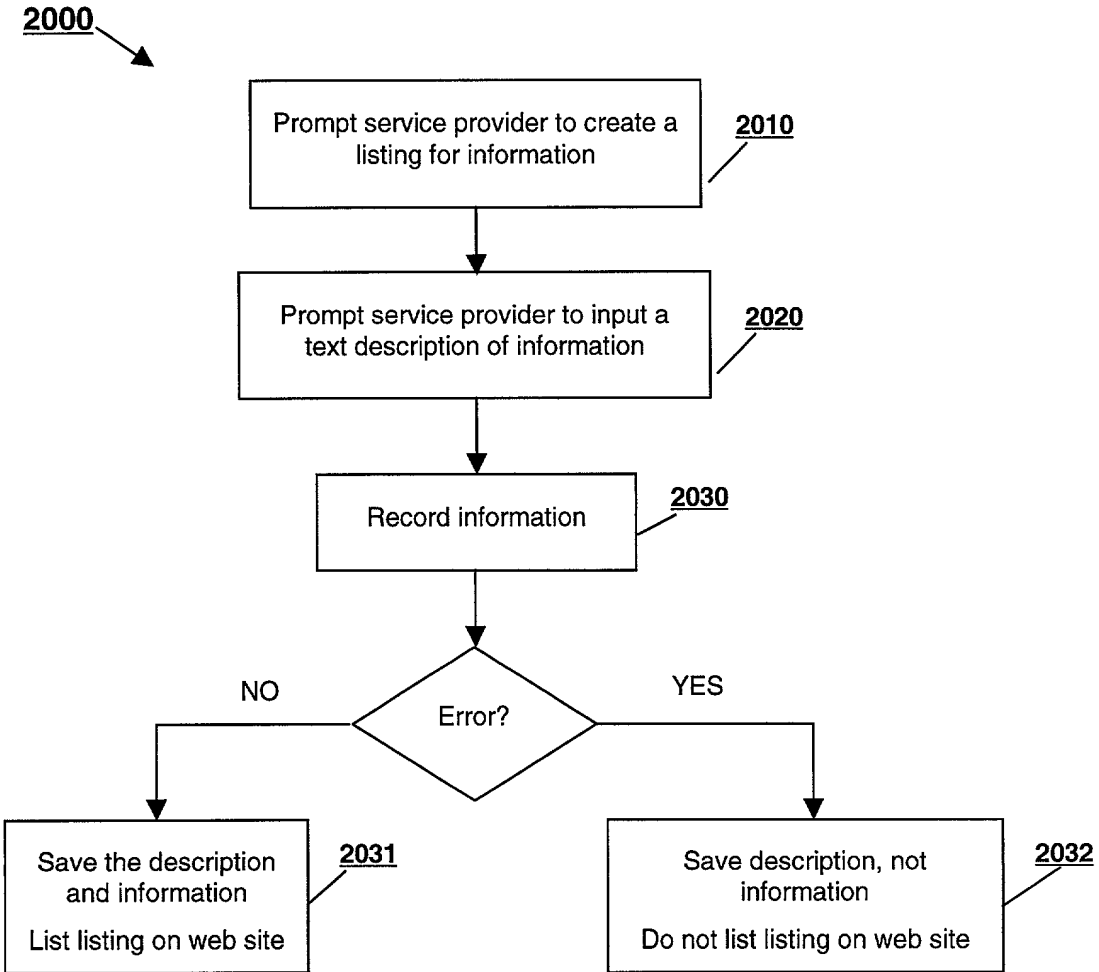


FIGURE 8

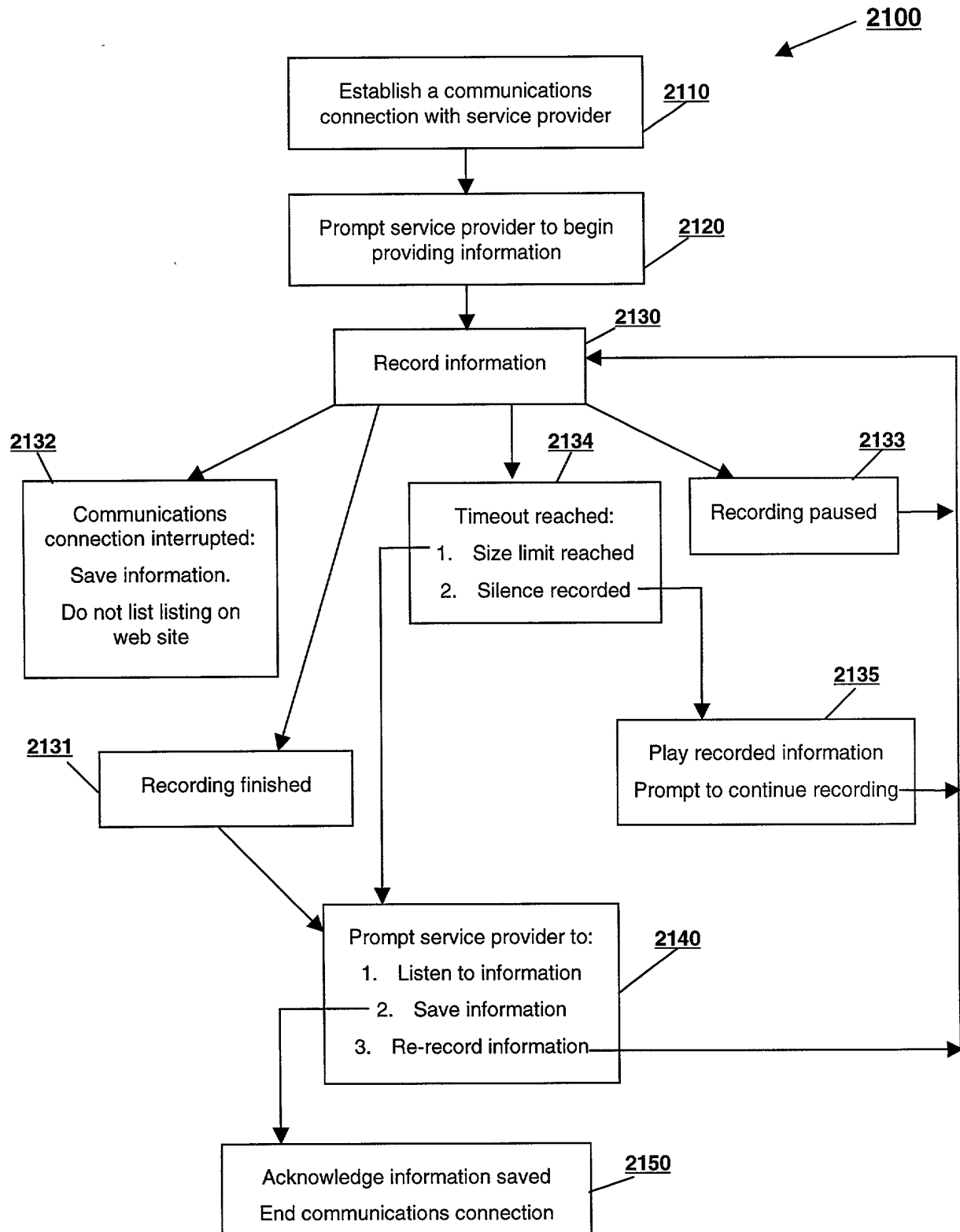
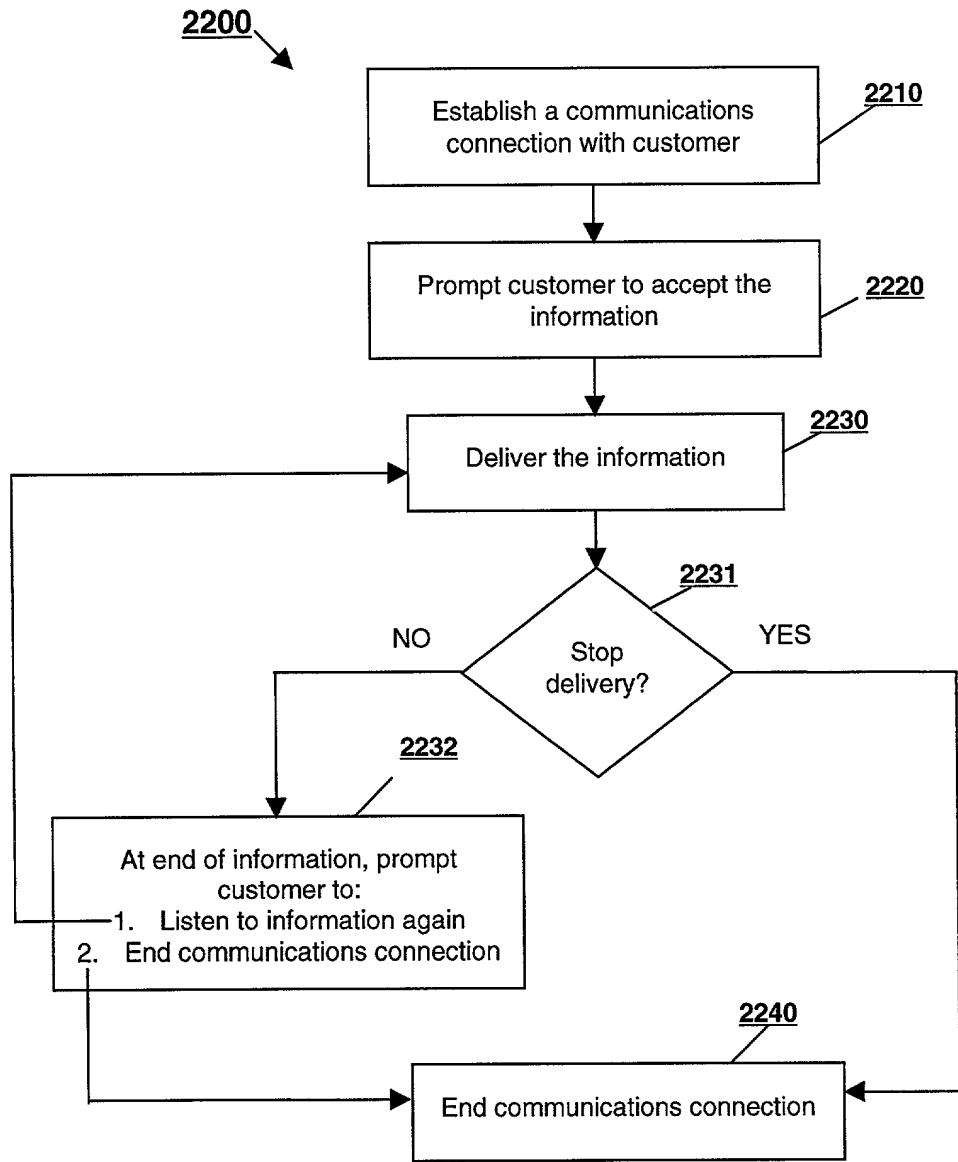


FIGURE 9



	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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Patent

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SYSTEM FOR RECORDING AND DISTRIBUTING RECORDED INFORMATION OVER THE INTERNET

the specification of which

X is attached hereto.
_____ was filed on _____ as
United States Application Number _____
or PCT International Application Number _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority
Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

_____ (Application Number)	_____ Filing Date
_____ (Application Number)	_____ Filing Date

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____ (Application Number)	_____ Filing Date	_____ (Status -- patented, pending, abandoned)
_____ (Application Number)	_____ Filing Date	_____ (Status -- patented, pending, abandoned)

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

Send correspondence to Erica W. Kuo, **BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, 12400 Wilshire Boulevard 7th Floor, Los Angeles, California 90025 and direct telephone calls to** Erica W. Kuo, (408) 720-8300.
(Name of Attorney or Agent)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full Name of Third/Joint Inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

Post Office Address _____

Full Name of Fourth/Joint Inventor _____

Inventor's Signature _____ Date _____

Residence _____ Citizenship _____
(City, State) (Country)

Post Office Address _____

APPENDIX A

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APPENDIX B

Title 37, Code of Federal Regulations, Section 1.56 Duty to Disclose Information Material to Patentability

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclosure information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) Prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) The closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made or record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.